

CLAIMS

1. Microscope (2) with a stand (4) consisting of a first housing shell and a second housing shell (16 and 18), the stand (4) carrying a microscope stage (10) with an adjustable height, and the first and second housing shell (16 and 18) defining a base part (20) on which the stand (4) rests, characterized in that the stand (4) is C-shaped, that there are provided a stand base cover (22), which closes the base part (20) of the stand (4) toward the outside, and at least one connecting means (34) for the first and the second housing shell (16 and 18), the connecting means (34) being inaccessible from outside the stand (4) when the stand base cover (22) is in place.
2. Microscope as defined in claim 1, characterized in that one of the cooperating first and second housing shells (16 and 18) defines a recess (28) capable of receiving the microscope stage (10) the height of which can be adjusted with an adjusting knob (12), an opening (30) being provided for the adjusting knob (12) in the first and the second housing shell (16, 18).
3. Microscope as defined in claim 1, characterized in that a screw (54) is provided for connecting the connecting means (34) for the first and the second housing shell (16 and 18) and that the tightening with a mounting means (64) is performed through the base part (20) of the stand (4) so that the outer contour of the stand (4) is undisturbed.
4. Microscope as defined in claim 1, characterized in that the stand (4) has an opening (24) for an eyepiece tube (6) and a holder (26) for at least one objective (8).
5. Microscope as defined in claim 4, characterized in that the eyepiece (7) in the eyepiece tube (6) defines an optical axis (9) and that at least one of the objectives (8) in the work position defines an optical axis (13) of the eyepiece (7) and that the optical axis (9) of the eyepiece (7) and the optical axis (13) of the objective (8) are disposed at an obtuse angle (α).

6. Microscope as defined in claim 5, characterized in that the obtuse angle (α) is formed between the optical axis (13) of the at least one objective (8) and the optical axis (9) of the eyepiece (13).

5 7. Microscope as defined in claim 1, characterized in that inside the first or the second housing shell (16 or 18) there is provided an optical deflection means (36) configured so that the image of the specimen seen by the user has the same orientation as the specimen itself.

10 8. Microscope as defined in claim 7, characterized in that the optical deflecting means (36) is a mirror system or a prism.

9. Microscope as defined in claim 1, characterized in that the dimensions of the stand (4) together with the microscope stage (10) and the adjusting knob are smaller than
15 those of a conventional carrying case (14).

10. Microscope as defined in claim 9, characterized in that the carrying case (14) consists of a first and a second part (66 and 67) and that in each of the first and second part (66 and 67) of the carrying case (14) there is provided a protective transport device
20 for the microscope, said protective transport devices being configured as part of a negative impression of the microscope.

11. Microscope as defined in claim 1, characterized in that a single objective is disposed in the holder for the objective.
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12. Microscope as defined in claim 1, characterized in that an objective turret is disposed in the holder for the objective.